

ABSTRACT

A novel method and apparatus for transmitting voice traffic and data traffic over a circuit-switched network and a packet-switched network are presented. A new service option is introduced that allows a circuit-switched network to strip off IP/UDP/RTP header information from an internet protocol packet that may or may not be carrying multimedia payloads. Selectively eliminating the reliability measures in the RLP layer allows the circuit-switched network to reduce the delay associated with data traffic, and thus satisfy the more stringent delay requirements of voice traffic.